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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(h))

Attorney Docket No.	322101.1030
First Inventor	Wessling, Jr., et al.
Title	PHASE CHANGE MATERIAL FOR TEMPERATURE CONTROL AND MATERIAL STORAGE
Express Mail Label No.	EL994689467US

**APPLICATION ELEMENTS**

See MPEP Chapter 600 concerning utility patent application contents

**ADDRESS TO:**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original, and a duplicate for fee processing)</i>	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
2. <input checked="" type="checkbox"/> Applicant claims small entity status. See CFR 1.27	8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i>
3. <input checked="" type="checkbox"/> Specification <i>(preferred arrangement set forth below)</i>	a. <input type="checkbox"/> Computer Readable Copy (CRF)
[Total Pages] <b>14</b>	
<ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed. Sponsored R&amp;D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings <i>(if filed)</i></li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul>	
4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113)	[Total Sheets] <b>3</b>
5. Oath or Declaration	[Total Pages] <b>3</b>
<ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly Executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i></li> </ul>	
<ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ul>	
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	c. <input type="checkbox"/> Statements verifying identity of above copies
<ul style="list-style-type: none"> <li>9. <input type="checkbox"/> Assignment Papers (cover sheet &amp; Documents(s))</li> <li>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <i>(when there is an assignee)</i> <input type="checkbox"/> Power of Attorney</li> <li>11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i></li> <li>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</li> <li>13. <input type="checkbox"/> Preliminary Amendment</li> <li>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></li> <li>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></li> <li>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</li> <li>17. <input checked="" type="checkbox"/> Other: <b>Credit Card Authorization Form</b></li> </ul>	

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation       Divisional       Continuation-in-part (CIP)      of prior application No: /  
*Prior application information: Examiner*      Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: the entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**

Customer Number: **24504**      OR       Correspondence address below:

NAME	Jon E. Holland Thomas, Kayden, Horstemeyer & Risley, L.L.P.		
ADDRESS	100 Galleria Parkway Suite 1750		
CITY	Atlanta	STATE	Georgia
COUNTRY	U.S.A.	TELEPHONE	256-704-3900
ZIP CODE	30339-5948		
FAX	256-704-3905		

Name (Print/Type)	Jon E. Holland	Registration No. (Attorney/Agent)	41,077
Signature			Date
			3/25/04

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revisions.

X Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 523.00)

Complete If Known	
Application Number	
Filing Date	March 25, 2004
First Named Inventor	Wessling, Jr., et al.
Examiner Name	
Group / Art Unit	
Attorney Docket No.	322101.1030

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  Other  None

 Deposit Account

Deposit Account Number

20-0778

Deposit Account Name

Thomas, Kayden, Horstemeyer Risley, L.L.P.

## The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	2001	385	Utility Filing Fee	385.00	
1002	2002	170	Design Filing Fee		
1003	2003	265	Plant Filing Fee		
1004	2004	385	Reissue Filing Fee		
1005	2005	80	Provisional Filing Fee		
SUBTOTAL (1)				(\$385.00)	

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Extra Claims	Fee From Below	Fee Paid
21 - 20** = 1	X 9.00 = 9.00	
6 - 3** = 3	X 43.00 = 129.00	
	145.00 =	

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description
1202	2202	9	Claims in excess of 20	
1201	2201	43	Independent claims in excess of 3	
1203	2203	145	Multiple dependent claim, if not paid	
1204	2204	43	**Reissue independent claims over original patent	
1205	2205	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)				(\$138.00)

\*\*or number previously paid, if greater; For Reissues, see above

## FEES CALCULATION (continued)

3. ADDITIONAL FEES	Large Entity	Small Entity	Fee Description	Fee Paid
1051	130	2051	Surcharge-late filing fee or oath	
1052	50	2052	Surcharge-late provisional filing fee or cover sheet	
1053	130	1053	Non-English specification	
1812	2,520	1812	For filing a request for ex parte reexamination	
1804	920*	1804	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	Requesting publication of SIR after Examiner action	
1251	110	2251	Extension for reply within first month	
1252	420	2252	Extension for reply within second month	
1253	950	2253	Extension for reply within third month	
1254	1,480	2254	Extension for reply within fourth month	
1255	2,010	2255	Extension for reply within fifth month	
1401	330	2401	Notice of Appeal	
1402	330	2402	Filing a brief in support of an appeal	
1403	290	2403	Request for oral hearing	
1451	1,510	1451	Petition to institute a public use proceeding	
1452	110	2452	Petition to revive-unavoidable	
1453	1,330	2453	Petition to revive-unintentional	
1501	1,330	2501	Utility issue fee (or reissue)	
1502	480	2502	Design issue fee	
1503	640	2503	Plant issue fee	
1460	130	1460	Petitions to the Commissioner	
1807	50	1807	Processing fee for provisional application	
1806	180	1806	Submission of Information Disclosure Stmt	
8021	40	8021	Recording each patent assignment per property (times number of properties)	
1809	770	2809	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	For each add. invention to be examined (37 CFR 1.129(b))	
1801	770	2801	Request for Continued Examination (RCE)	
1802	900	1802	Request for expedited exam. of a design application	
Other fee (specify)				SUBTOTAL (3) (\$)

\*Reduced by Basic Filing Fee Paid

## SUBMITTED BY

Complete (if applicable)

Typed or Printed Name Signature	Jon E. Holland 	Registration No. 41,077	Telephone Number	256-704-3900
			Date	March 25, 2004

WARNING: Information on this form may become public. Credit Card Information should not be included on this form. Provide credit card information and authorization on PTO-2038

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 USC 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: **Wessling, Jr., et al.**

For: **Phase Change Material for Temperature Control and Material Storage**

**CERTIFICATE OF EXPRESS MAIL**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard  
Utility Patent Application Transmittal Page  
Fee Transmittal Page  
Utility Patent Application Consisting Of:  
    8 Pages of Specification  
    5 Pages of Claims (Claims 1-21)  
    1 Page of Abstract  
    3 Pages of Formal Drawings (Fig(s). 1-3)  
Declaration for Patent Application  
Credit Card Authorization Form

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

**Jon E. Holland, Reg. No. 41,077**



**THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.**  
100 Galleria Parkway, N.W.  
Suite 1750  
Atlanta, Georgia 30339-5948

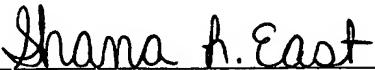
Our Docket No: **322101.1030**

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I hereby certify that all correspondence listed above are being deposited for delivery to the above addressee, with the United States Postal Service "**EXPRESS MAIL POST OFFICE TO ADDRESSEE**" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # **EL994689467US**.

Date: 3-25-04

  
Shana L. East